Table 3. Tumorigenic properties of CRC cells based on EpCAM and CD44 expression

Experiment no.	Tumor source*		Lin$^-$ sorted populations†	Cell dose	Tumor take‡	$P^\S$
1	UM#4	*m2*	EpCAM^{high}/CD44$^+$	2,500	**4/5**	0.0218
			all the rest (mainly EpCAM^{low}/CD44$^-$)	4,000	0/5	
2	UM#4	*m4*	EpCAM^{high}/CD44$^+$	1,000	**4/5**	*n.s.* (0.0624)
			all the rest (mainly EpCAM^{low}/CD44$^-$)	1,000	0/5	
3	UM#4	*m4*	EpCAM^{high}/CD44$^+$	200	**7/8**	< 0.0001
			"	1,000	**2/2**	
			all the rest (mainly EpCAM^{low}/CD44$^-$)	200	0/10	
			"	1,000	0/6	
4	UM#4	*m4*	EpCAM^{high}/CD44$^+$	200	**9/10**	< 0.0001
			"	1,000	**5/5**	
			all the rest (mainly EpCAM^{low}/CD44$^-$)	200	0/10	
			"	1,000	0/8	
5	UM#4	*m5*	EpCAM^{high}/CD44$^+$	1,000	**2/3**	0.0059
			all the rest (mainly EpCAM^{low}/CD44^{neg})	12,000	0/3	
6	UM#6	*m2*	EpCAM^{high}/CD44$^+$	400	**9/10**	0.0001
			"	2,000	**4/4**	
			all the rest (mainly EpCAM^{low}/CD44$^-$)	2,000	0/10	
7	UM#8	*m1*	CD44$^+$	14,000	**2/5**	*n.s.* (0,2499)
			CD44$^-$	14,000	0/5	
8	UM#8	*m1*	EpCAM^{high}/CD44$^+$	5,000	**4/5**	0,0426
			all the rest (mainly EpCAM^{low}/CD44^{neg})	6,000	0/5	
9	MIC69	*m6*	EpCAM^{high}/CD44$^+$	800	**2/5**	0,0082
			all the rest (mainly EpCAM^{low}/CD44^{neg})	8,000	0/5	
10	OMP-C5	*m1*	EpCAM^{high}/CD44$^+$	400	**7/10**	0.0001
			"	2,000	**4/5**	
			all the rest (mainly EpCAM^{low}/CD44$^-$)	2,000	0/10	
11	OMP-C8	*m1*	EpCAM^{high}/CD44$^+$	200	**5/10**	0,0004
			"	2,000	**5/5**	
			all the rest (mainly EpCAM^{low}/CD44$^-$)	2,000	1/10	

*For each experiment, the *in vivo* serial passage of the tumor xenograft used as source for cancer cell purification is reported as follows: *m1*, first round of tumors obtained from primary tumor engraftment; *m2*, second round of tumors obtained from engraftment of *m1*; *m3*, third round of tumors obtained from engraftment of *m2*; and so on progressively; *primary*, primary tumor directly harvested from a surgical specimen.

[†]All sorted populations are to be considered as negative for expression of nonepithelial lineage markers (Lin^-; see *Materials and Methods*).

[‡]Tumor take is reported as number of tumors obtained/number of injections; tumor take is considered unsuccessful when no tumor mass is visible after 5 months follow-up.

[§]For each individual experiment, the *P* value indicates the probability of observing identical results as a matter of chance and is calculated using a hypergeometric distribution (see *SI Materials and Methods*). *n.s.*, not significant, indicates *P* values that do not reach statistical significance.